

### ***ATTACHMENT 3. STATUS OF GWMP***

The Water Replenishment District of Southern California (WRD) is the groundwater manager for the Central and West Coast Groundwater Basins located in southern Los Angeles County. Both the Central and West Coast Basins are adjudicated, and, therefore, are not required under AB3030 guidelines to have a Groundwater Management Plan (GWMP). The Central Basin Adjudication judgment was entered into in 1965. The latest version can be found on DWR's website at

[http://www.water.ca.gov/watermaster/centralbasin\\_judgment/index.cfm](http://www.water.ca.gov/watermaster/centralbasin_judgment/index.cfm).

The Water Replenishment District of Southern California (WRD) was formed in 1959 to manage the groundwater replenishment and groundwater quality activities for 4 million people in 43 cities that overlie the Central Basin and West Coast Basin (CBWCB) in southern Los Angeles County. These basins currently supply about 40 percent of the water used by the population in the region. WRD's mission is to protect and preserve high-quality groundwater in the basins through innovative, cost-effective, and environmentally sensitive management practices for the benefit of residents and businesses of the CBWCB.

WRD's 2003 Strategic Plan clearly outlines basin management objectives under each of four goals. Groundwater management decisions made in the Strategic Plan are based in part on extensive groundwater modeling performed by the WRD and the United States Geological Survey (USGS) that provides a comprehensive understanding of how the basins respond to various management scenarios. WRD's Regional Groundwater Model is the most comprehensive analysis tool available for the Central Basin and West Coast Basin and was developed as a joint effort between WRD and the USGS. The model was constructed using MODFLOW groundwater modeling software and interfaces with WRD's GIS system.

The 2003 Strategic Plan includes the following components of groundwater management:

- **Control of Seawater Intrusion:** WRD works closely with the County of Los Angeles Department of Public Works (LACDPW) on saline water intrusion at the three seawater intrusion barriers located within the WRD service area: West Coast Basin Barrier Project, Dominguez Gap Barrier Project, and Alamitos Gap Barrier Project. WRD purchases all the water used for injection at these barriers and operates a desalter in the West Coast Basin to remediate the trapped saline plume.
- **Identification and Management of Wellhead Protection Areas and Recharge Areas:** Stormwater, recycled water and imported water are used at the spreading grounds located in the Montebello Forebay to recharge the groundwater supply in the Central Basin. WRD coordinates with LACDPW to ensure they are managed optimally. WRD is proactive at identifying potential sources of groundwater contamination and through the Safe Drinking Water Program, provides basin water rights holders with incentives to construct wellhead treatment facilities to extract, treat, and put to beneficial use contaminated groundwater that would otherwise be left in the ground.
- **Protection and Preservation of Groundwater Quality:** As a regional groundwater manager, WRD recognizes the importance of removing existing contamination and therefore, implements and participates in projects and programs intended to protect and preserve groundwater quality and make groundwater treatment economically feasible to water rights holders. As part of its

Groundwater Contamination Prevention Program, WRD formed the Groundwater Contamination Forum, a data-sharing and discussion forum with stakeholders that include the United States Environmental Protection Agency (USEPA), the California Department of Toxic Substances Control (DTSC), the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB), the California Department of Public Health (CDPH), the United States Geological Survey (USGS), and various municipalities and water purveyors. As a key stakeholder, WRD works in close consultation with the Federal and State regulatory agencies to provide data and technical support to expedite cleanup of contaminant plumes. Additionally, WRD's Regional Groundwater Monitoring Program tracks the migration of contaminated groundwater. This component of the Strategic Plan is the focus of this proposal.

- **Administration of a Well Abandonment and Well Destruction Program:** Well abandonment/destruction in the Central Basin and West Coast Basin is administered by the Los Angeles County Department of Public Health (LACDPH) and other local municipalities. WRD works closely with these entities to ensure wells are properly abandoned/destroyed. This issue is of particular importance to WRD since improperly abandoned wells may serve as conduits for shallow contamination to migrate to deeper groundwater producing zones.
- **Mitigation of Conditions of Overdraft / Replenishment of Groundwater / Monitoring of Groundwater Levels and Storage:** Replenishment of the groundwater extracted by groundwater producers is one of the primary functions of WRD. Each year, WRD develops an Engineering Survey and Report, which quantifies the amount of overdraft that has occurred. WRD then budgets funds to purchase water for artificial replenishment of this annual overdraft. This replenishment water is a blend of local stormwater, recycled water and imported water. WRD's Regional Groundwater Monitoring Report also provides data that is used to estimate the quantity of storage in the basins.
- **Facilitate Conjunctive Use Operations:** The District continues to work closely with all basin stakeholders to optimize use of the groundwater basins.
- **Construction and Operation by the Local Agency of Groundwater Contamination Cleanup, Recharge, Storage, Conservation, Water Recycling and Extraction Projects:** Nearly all of the District's Projects and Programs are focused on contamination cleanup, storage, conservation and recycling. Specific projects owned and operated by WRD include the Leo J. Vander Lans Advanced Water Treatment Facility (AWTF) and the Goldsworthy Desalter.
- **Develop Relationships with State and Federal Regulatory Agencies:** This item is Goal 4 of the 2003 Strategic Plan. WRD works closely with regulatory agencies, specifically the California Department of Public Health (CDPH) and the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB), on groundwater quality issues and to ensure compliance with permits issued for the use of recycled water at the spreading grounds and seawater intrusion barriers.
- **Review of Land Use Plans and Coordination with Land Use Planning Agencies to Assess Activities which Create a Reasonable Risk of Groundwater Contamination:** Maintaining the high quality of groundwater in the Central Basin and West Coast Basin is of paramount importance to WRD. A major component of ensuring high water quality is the development of cooperative working relationships with basin stakeholders, including land use agencies. WRD recognizes the need for a unified voice on water quality issues is important to ensure that appropriate decisions are made by agencies impacting groundwater quality.